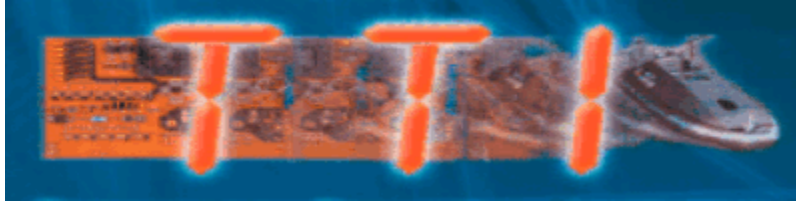


Technology Transition Initiative



Accelerating delivery of mature technology to the Warfighter

Magneto-Rheological (MR) Fluid Suspension System for Stryker Brigade Combat Team

Summary: The MR Fluid Suspension system provides a means of actively controlling the damping portion of the suspension. The MR suspension accomplishes this control by altering the sheer strength of the MR fluid through a computer controlled magnetic field resulting in optimal ride quality and stability. The Magneto-Rheological (MR) suspension system will stabilize the vehicle chassis allowing for improvements to roll stability, vehicle pitch as well as the weapon stabilization system on the MGS to engage sooner, resolving the trigger delay and improving firing accuracy. It will be incorporated in the Stryker modernization program.

Current status: project in work

